

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/13142A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E21B47/00 E21B47/08 E21B47/10 G01V5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E21B G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, TULSA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 645 520 A (WESTERN ATLAS INT INC) 29 March 1995 (1995-03-29) claim 1	1,11
A	US 5 219 518 A (MCKEON DONALD C ET AL) 15 June 1993 (1993-06-15) abstract	1,11
A	US 4 233 508 A (ARNOLD DAN M) 11 November 1980 (1980-11-11) abstract	1,11

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the International search

26 February 2004

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04/03/2004

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
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